



U.S. Department
of Transportation

Research and
Special Programs
Administration

400 Seventh Street, S.W.
Washington, D.C. 20590

DOT-E 6589 (EXTENSION)
SIXTH REVISION November 7, 1988

In accordance with 49 CFR 107.109 of the Department of Transportation (DOT) Hazardous Materials Regulations DOT-E 6589 is hereby extended for the party(ies) listed below by changing the expiration date in paragraph 10 to April 30, 1999. This change is effective from the issue date of this extension. All other terms of the exemption remain unchanged.

This extension applies only to party(ies) listed below based on the application(s) received in accordance with 49 CFR 107.109. This extension constitutes a necessary part of this exemption and must be attached to it.

Alan I. Roberts
Alan I. Roberts
Associate Administrator
for Hazardous Materials Safety

6/5/97
(DATE)

Dist: FHWA FRA FAA

EXEMPTION HOLDER

APPLICATION DATE

International Safety Devices, Inc.
Hesperia, CA

January 22, 1997

*Expired - No Renewal
NOT ACTIVE*



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(SIXTH REVISION)

400 Seventh Street, S.W.
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NOV 7 1988

1. International Safety Devices, Incorporated, Hesperia, California is hereby granted an exemption from certain provisions of this Department's Hazardous Materials Regulations to manufacture, mark and sell the packaging described in paragraph 7 below for use in the transportation of the hazardous materials described in paragraph 3 below in commerce, subject to the limitations and special requirements specified herein. This exemption authorizes the use of a welded non-DOT specification pressure vessel conforming in part with DOT 3E Specification, and provides no relief from any regulation other than as specifically stated.

2. BASIS. This exemption is based on the applications of International Safety Devices, Inc., dated June 8, 1987, and March 17, 1988, submitted in accordance with 49 CFR 107.103 and the public proceeding thereon.

3. HAZARDOUS MATERIALS (Descriptor and class). Compressed air, classed as a nonflammable gas.

4. PROPER SHIPPING NAME (49 CFR 172.101). Air, compressed.

5. REGULATION AFFECTED. 49 CFR 173.302(a)(1), 175.3.

6. MODES OF TRANSPORTATION AUTHORIZED. Motor vehicle, rail freight, passenger carrying aircraft, and cargo-aircraft only.

7. SAFETY CONTROL MEASURES. Packaging prescribed is a non DOT specification pressure vessel assembly consisting of stainless steel tubing in a coil configuration. The tubing must not exceed 5/16 inch diameter. Maximum internal volume is 36 cubic inches. Service pressure must not exceed 5,000 psig.

a. The assembly must be shipped in strong outside packagings as required by 49 CFR 173.301(k).

b. The assembly must consist of a cylinder fitted with pressure relief devices conforming with applicant's request. The cylinder must conform with DOT Specification 3E (49 CFR 178.42) except as follows:

§ 178.42-2 Type, size and service pressure.

(a) Must be 5/16 inch diameter welded and redrawn tubing that is coiled. Maximum volume is 36 cubic inches.

(b) Service pressure must not exceed 5,000 psig.

§ 178.42-4 Duties of Inspector.

Applies except for the requirement to inspect inside before closing in both ends.

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§ 178.42-5 Steel.

Material must be Type 304 stainless steel tubing with 85,000 psi minimum yield strength and 110,000 psi minimum tensile strength.

§ 178.42-11 Hydrostatic test.

(a) Does not apply. Instead:

(1) Each pressure vessel must be tested to a hydrostatic pressure of 7,500 psig for at least 1 minute and sufficiently longer to insure complete expansion.

(2) One finished pressure vessel out of each lot of 500 or less must be hydrostatically pressurized to destruction. Burst pressure must not be less than 14,000 psig.

§ 178.42-14 Marking.

(a) Marking must be by stamping plainly and permanently on the cylinder as follows: (Marking may be on a permanently attached nameplate or label if stamping on the pressure vessel is not feasible):

(1) "DOT-E 6589-5000" in lieu of "DOT 3E-1800". Labels marked "DOT-E 6589" may be used on production cylinders until December 31, 1989, or until present stock is depleted, whichever comes first.

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§ 178.42-15. Inspector's report.

Applies except that the portion of the report pertaining to the hydrostatic tests may be in the form of a statement rather than in table form. and "DOT-E 6589" must be substituted for each "DOT 3E" entry.

8. SPECIAL PROVISIONS.

a. A copy of this exemption must be carried aboard each motor vehicle and aircraft used to transport packages covered by this exemption.

b. Shippers may use the packaging covered by this exemption pursuant to the provisions of 49 CFR 173.22a.

c. Packages specified herein marked "DOT SP 6589" prior to April 30, 1976, may continue to be transported under the terms of this exemption.


d. A copy of this exemption, in its current status, must be maintained at each manufacturing facility at which this packaging is manufactured and must be made available to a DOT representative upon request.

e. Each packaging manufactured in accordance with the requirements of this exemption must be marked in a manner which identifies the physical location (city and state) of the facility at which it is manufactured.

9. REPORTING REQUIREMENTS. Any incident involving loss of contents of the package or damage to the packaging must be reported to the Office of Hazardous Materials Transportation as soon as practicable.

10. EXPIRATION DATE. August 30, 1989.

Issued at Washington D.C.:


Alan I. Roberts
Director
Office of Hazardous Materials
Transportation

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(DATE)

Address all inquiries to: Director, Office of Hazardous Materials Transportation, Research and Special Programs Administration, U.S. Department of Transportation, Washington, D.C. 20590. Attention: Exemptions Branch.

Dist: FHWA, FRA, FAA.